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## CLAIMS

- 1. A method of simulation of a recording support rendering called target rendering, comprising the following successive steps:
- a) the digitization of images (12) captured on a first support (10) and at least one sensitometry control (14) recorded on the same support, so as to obtain initial digital codes (x) for a set of pixels taken in the images and sensitometry control,

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- b) the establishment, from the digital codes of the sensitometry control (26), of at least one initial sensitometry relationship (26) for the first support, the initial sensitometry relationship (26) linking the digital codes to the support's light exposure values,
- c) the establishment, from at least one target sensitometry relationship (28), corresponding to the target rendering, of new digital codes (x') for a plurality of image pixels, the new digital codes being established so that the new digital code (x') and the initial digital code (x) of each pixel are linked to the same exposure value (e), respectively by the target sensitometry relationship (28) and the initial sensitometry relationship (26).
  - 2. A method according to Claim 1, wherein step c) comprises:
- the establishment of at least one conversion table (32) between the initial digital codes and the new digital codes, the table (32) being established in such a way that the new digital codes and the initial digital codes correspond to the same exposure energy respectively of the target sensitometry relationship (28) and the initial sensitometry relationship (26),
- the establishment of new codes for the image pixels by using the conversion table (32) as a look-up table.
- 3. A method according to Claim 1, comprising the establishment of a number of initial sensitometry relationships for a number of captured image color components, and the establishment of new digital codes

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using respectively the number of initial sensitometry relationships and a number of corresponding target sensitometry relationships.

- 4. A method according to Claim 3, wherein three initial and target sensitometry relationships are used respectively for three color components.
  - 5. A method according to Claim 3, wherein the step c) comprises:
- The establishment of a plurality of conversion tables between the
  initial digital codes and the new digital codes, the tables and codes referring
  respectively to a plurality of color components, the tables being established so that
  the new digital codes and the initial digital codes correspond respectively to the
  same exposure energy of the target sensitometry relationship (28) and the initial
  sensitometry relationship (26) for the same color component, and
  - the establishment of new codes for the image pixels by using the conversion tables as lookup tables.

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- 6. A method according to Claim 1, comprising the establishment of an initial sensitometry relationship expressed in a three dimensional color space, and the establishment of vectorial digital codes, expressed in the same space, using the initial sensitometry relationship and a target sensitometry relationship, also with three dimensions.
- 7. A method according to Claim 6 comprising the establishment of at least one matrix conversion table in three dimensions between the initial digital codes and the new digital codes, expressed in a three dimensional color space, the table being established so that the new digital codes and initial digital codes correspond to the same exposure energy respectively of the target sensitometry relationship and the initial sensitometry relationship, and the establishment of the new digital codes for image pixels by using the conversion table as a lookup table.

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- 8. A recording method comprising:
- the forming of images on an image support (10) having a first rendering,

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- the forming of at least one sensitometry control (14) on the same image support,
- the retrieval of digital data from the image support and the simulation of a support rendering different than the first rendering, the simulation taking place according to a method compliant with Claim 1.

9. A method according to Claim 8, wherein the forming of the sensitometry control and the image capture are more or less concomitant.